PTO/SB/21 (08-00)

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**Application Number** 09/764,445 **TRANSMITTAL** 

|                                                               |                       | Filing Date January 19, 2001                                              |                                                                   |  |  |
|---------------------------------------------------------------|-----------------------|---------------------------------------------------------------------------|-------------------------------------------------------------------|--|--|
| FORM (to be used for all correspondence after initial filing) |                       | First Named Inventor                                                      | Edward W. MERRILL et al.                                          |  |  |
|                                                               |                       | Group Art Unit                                                            | 1711                                                              |  |  |
|                                                               |                       | Examiner Name                                                             | D. Truong                                                         |  |  |
| Total Number of Pages in This Submission 36                   |                       | Attorney Docket Number                                                    | 37697-0033                                                        |  |  |
|                                                               | ENCL                  | OSURES (check all that apply)                                             |                                                                   |  |  |
| ⊠ Fee Transmittal Form                                        |                       | ment Papers<br>Application)                                               | After Allowance Communication to Group                            |  |  |
| Fee Attached Drav                                             |                       | ng(s)                                                                     | Appeal Communication to Board of Appeals and Interferences        |  |  |
| Amendment / Response                                          | Licens                | ing-related Papers                                                        | Appeal Communication to Group (Appeal Notice, Brief, Reply Brief) |  |  |
| After Final                                                   | Petitio               | n                                                                         | Proprietary Information                                           |  |  |
| Affidavits/declaration(s)                                     | . —                   | n to Convert to a<br>ional Application                                    | Status Letter                                                     |  |  |
|                                                               |                       | of Attorney, Revocation ge of Correspondence Address                      | Other Enclosure(s) (please identify below):                       |  |  |
|                                                               |                       | nal Disclaimer                                                            | See "Remarks"                                                     |  |  |
| Express Abandonment Reque                                     | st 📗 Reque            | est for Refund                                                            |                                                                   |  |  |
| Information Disclosure Statem                                 | nent CD, N            | umber of CD(s)                                                            |                                                                   |  |  |
| Certified Copy of Priority Document(s)                        | Rema                  |                                                                           |                                                                   |  |  |
| The sponse to missing rates                                   |                       | vocation of Power of Attorney and Appointment of New Power of torney (x2) |                                                                   |  |  |
| Response to Missing Parts under 37 CFR 1.52 or 1.53           | (2) Staten            | nent Under 37 CFR 3.73(b) (x2)                                            |                                                                   |  |  |
|                                                               | SIGNATURE OF          | APPLICANT, ATTORNEY, C                                                    | R AGENT                                                           |  |  |
| Firm John P. Isa<br>or Customer                               | acson, Reg. No. 33,   | 715                                                                       |                                                                   |  |  |
| Signature                                                     |                       |                                                                           |                                                                   |  |  |
| Date April 28, 2005                                           |                       |                                                                           |                                                                   |  |  |
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PTO/SB/17 (12-04)

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| Under the Panerwork Reduction                        | De la constant de la | APR 9                | rad ta san       | U.S. Patent         | and Trader   | nark Office: U.S. DEF    | 07/31/2006. OMB 0651-0032<br>PARTMENT OF COMMERCE |
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|                                                      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                      |                  | CHAINCH REPARTMENT  |              | mplete if Know           |                                                   |
| Effective Fees pursuant to the Consolidate           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                      |                  | Application Nun     |              | 9/764,445                |                                                   |
| FEE TR                                               | ANS                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | MITTA                | Lŀ               | Filing Date         |              | January 19, 20           | 01                                                |
|                                                      | FY 2                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                      |                  | First Named Inv     |              | Edward W. ME             |                                                   |
|                                                      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                      | [                | Examiner Name       | 9 1          | D. Truong                |                                                   |
| Applicant claims small e                             | entity status                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | s. See 37 CFR 1.27   |                  | Art Unit            | -            | 1711                     |                                                   |
| TOTAL AMOUNT OF PAYN                                 | IENT (\$                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | 230.00               |                  | Attorney Docke      | t No.        | 37697-0033               |                                                   |
| METHOD OF PAYMENT                                    | (check al                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | that apply)          |                  |                     |              |                          |                                                   |
| Check Credit C                                       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | Money Order C        |                  |                     |              |                          | White & McAuliffe LLP                             |
| For the above-identific                              | ied denosit                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | account the Directo  | or is here       | •                   |              |                          |                                                   |
|                                                      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                      | ,, 10 11010      |                     |              |                          |                                                   |
| Charge fee(s)                                        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                      |                  |                     | je fee(s) in | dicated below, exc       | cept for the filing fee                           |
| under 37 CER                                         | 1 16 and 1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | (s) or underpaymer   |                  |                     | t any overp  | •                        | ĺ                                                 |
| WARNING: Information on this                         | form may b                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | ecome public. Credit | card info        | rmation should n    | ot be inclu  | led on this form. Pr     | ovide credit card                                 |
| information and authorization                        | on P1O-2038                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | J                    |                  | ·                   | <del></del>  |                          |                                                   |
| FEE CALCULATION                                      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | EVANALATION (        | FFC              |                     |              | <del></del>              |                                                   |
| 1. BASIC FILING, SEAR                                | CH, AND<br>FILING                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | EXAMINATION I        | SEAR(            | CH FEES             | EXAMI        | NATION FEES              |                                                   |
|                                                      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | Small Entity         |                  | <b>Small Entity</b> |              | Small Entity             | Fees Paid (\$)                                    |
| Application Type                                     | Fee (\$)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | Fee (\$)             | Fee (\$)         |                     | Fee (\$      | 1 <u>Fee (\$)</u><br>100 | <u>r ees r uid (v)</u>                            |
| Utility                                              | 300                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | 150                  | 500              | 250                 |              |                          |                                                   |
| Design                                               | 200                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | 100                  | 100              | 50                  | 130          | 65                       |                                                   |
| Plant                                                | 200                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | 100                  | 300              | 150                 | 160          | 80                       |                                                   |
| Reissue                                              | 300                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | 150                  | 500              | 250                 | 600          | 300                      |                                                   |
| Provisional                                          | 200                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | 100                  | 0                | 0                   | 0            | 0                        | <del></del>                                       |
| 2. EXCESS CLAIM FEE                                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | 1 1 2                | 20 d             | then in t           | ha ariain    | al notant                | Small Entity<br>Fee (\$) Fee (\$)<br>50 25        |
| Each claim over 20 or, for Each independent claim of | r Keissues                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | , each claim over    | 20 and<br>indenc | ndent claim m       | ore than i   | n the original pa        |                                                   |
| Multiple dependent claim of                          | s of s                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | or reissues, each    | macpe            | naciii viaiiii iii  | CIO HIMII    | ob b.                    | 360 180                                           |
|                                                      | s<br>Extra <u>Clain</u>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | s Fee (\$)           | Fee F            | Paid (\$)           | Multiple     | Dependent Clair          | <u>ms</u>                                         |
| 13 - 20 or HP = 0                                    | )                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | _ x:                 | =                |                     | Fee          | (\$) <u>Fee P</u>        | aid (\$)                                          |
| HP = highest number of total c                       | laims paid fo                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                      | Eco P            | oid (\$)            |              |                          |                                                   |
| Indep. Claims                                        | Extra Clain                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                      | <u>- \$50</u>    | Paid (\$)           |              |                          |                                                   |

| SUBMITTED BY     | 77/1                                             |    |                                          |                          |
|------------------|--------------------------------------------------|----|------------------------------------------|--------------------------|
| Signature        | JUI                                              | .4 | Registration No. (Attorney/Agent) 33,715 | Telephone (202) 912-2000 |
| Name (Print/Type | <del>                                     </del> |    | Customer No. 26633                       | Date April 28, 2005      |

If the specification and drawings exceed 100 sheets of paper, the application size fee due is \$250 (\$125 for small entity)

Number of each additional 50 or fraction thereof

(round up to a whole number) x

for each additional 50 sheets or fraction thereof. See 35 U.S.C. 41(a)(1)(G) and 37 CFR 1.16(s).

HP.≂ highest number of independent claims paid for, if greater than 3

Other: Information Disclosure Statement

Extra Sheets

/ 50 =

Non-English Specification, \$130 fcc (no small entity discount)

3. APPLICATION SIZE FEE

Total Sheets

4. OTHER FEE(S)